

**INFORMATION DISCLOSURE
STATEMENT**

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JAN 09 2004

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ATTY DOCKET NO.
60991B

SERIAL NO.
10/658,049

APPLICANT
Boriack, et al.

FILING DATE
September 9, 2003

GROUP
1712

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
100	US 2,144,612	01/24/1939	Britton, et al.	260	633	
101	US 2,714,602	08/02/1955	Abbott	260	410	
102	US 4,314,088	02/02/1982	Austin, et al.	568	860	
103	US 4,413,151	11/01/1983	Michaelson, et al.	568	860	
104	US 4,496,779	01/29/1985	Myers, et al.	568	860	
105	US 4,499,255	02/12/1985	Wang, et al.	528	95	
106	US 4,507,492	03/26/1985	Woo	560	64	
107	US 4,721,798	01/26/1988	Mulder	549	533	
108	US 4,740,330	04/26/1988	Wang, et al.	260	395	
109	US 4,778,863	10/18/1988	Wang, et al.	525	507	
110	US 4,785,061	11/15/1988	Wang, et al.	525	507	
111	US 4,871,855	10/03/1989	Marko, et al.	546	134	
112	US 4,965,364	10/23/1990	Marko, et al.	546	134	
113	US 5,028,686	07/02/1991	Liao, et al.	528	92	
114	US 5,126,494	06/30/1992	Gilheany, et al.	568	807	
115	US 5,227,543	07/13/1993	Sharpless, et al.	568	860	
116	US 5,260,461	11/09/1993	Hartung, et al.	549	447	
117	US 5,516,929	05/14/1996	Sharpless, et al.	560	38	
118	US 5,578,740	11/26/1996	Au, et al.	549	525	
119	US 6,001,945	12/14/1999	Decker, et al.	528	26	
120	US 6,005,063	12/21/1999	Van Doorn, et al.	528	86	

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PATENT OFFICE 95

ATTY DOCKET NO.
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
MM	US 6,087,513	07/11/2000	Liao, et al.	549	524	
MM	US 6,100,412	08/08/2000	Thiele, et al.	549	523	
MM	US 6,534,621 B2	03/18/2003	Boriack, et al.	528	87	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES <input type="checkbox"/> NO <input type="checkbox"/>
MM	WO 92/20677	11/26/92	PCT	—	—	
MM	WO 98/35927	08/20/98	PCT	—	—	
MM	WO 99/09020	02/25/99	PCT	—	—	
MM	WO 0064844 A1	11/02/00	PCT	—	—	
MM	WO 0064848 A1	11/02/00	PCT	—	—	
MM	EP 0970951	01/12/00	EP	—	—	
MM	EP 0077201 A2	10/08/82	EP	—	—	

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

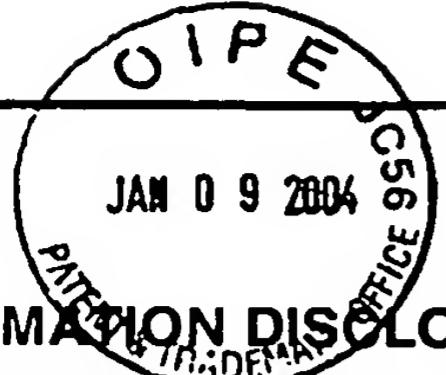
MM	Lee et al., "Handbook of Epoxy Resins", Mc-Graw Hill Book Co., New York, NY, pp. 2-3 to 2-4 (1982)
MM	Leeman et al., "Glycidol Properties, Reaction, Applications", New York, NY, pp. 48-52 (1981)
MM	Wasserman, et al, "Retention of Configuration in the Opening of cis-and trans-Dypone Oxides", Journal of the American Chemical Society, 78, pp. 1726 (1956)
MM	Murray, et al., "Olefin Epoxidations Using the Dicyclohexylcarbodiimide-H ₂ O ₂ System", JOURNAL OF ORGANIC CHEMISTRY, 63, pp. 1730-1731,(1998)
MM	Brink, et al, "Selenium Catalysed Oxidations with Aqueous Hydrogen Peroxide", JOURNAL OF CHEMICAL SOCIETY PERKIN, pp. 224-228 (2001)

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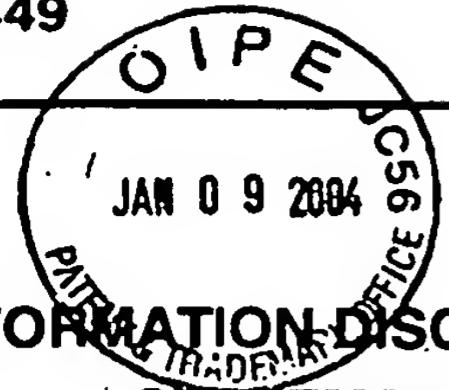
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11	Murray, "Dioxiranes", CHEMICAL REVIEWS, 89, pp. 1187-1201 (1989)
11	Boehlow, et al., "Optical Resolution of Amine N-Oxide by Diastereoisomeric Complex Formation with Optically Active Host Compound", TETRAHEDRON LETTERS, 30, pp. 1839-1842 (1989)
11	Neimann, et al., "A New Non-Metal Heterogeneous Catalyst for the Activation of Hydrogen Peroxide", CHEMICAL COMMUNICATIONS, 5, pp. 487-488 (2001)
11	"PROCESS FOR MANUFACTURING A HALOHYDRIN INTERMEDIATE AND EPOXY RESINS PREPARED THEREFROM" filed in the United States of America on May 18, 2000; Application Serial No.: 60/205,366; Applicant: Boriack, et al.
11	Shing, et al., ANGEWANDTE CHEMICAL, 106, pp. 2408-2409 (1994)
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11	Marko, et al., "Dihydroxylation of Carbon-Carbon Double Bonds", COMPREHENSIVE ASYMMETRIC CATALYSIS, I-III, pp. 713-787 (1999)
11	Shing, et al., "Ruthenium-Catalyzed <i>cis</i> -Dihydroxylation of Alkenes Scope and Limitations", CHEMICAL EUROPEAN JOURNAL, 2, pp. 50-57 (1996)
11	Johnson, et al., "Catalytic Asymmetric Dihydroxylation-Discovery and Development", CATALYTIC ASYMMETRIC SYNTHESIS, Second Edition, pp. 357-398 (2000)
11	ORGANIC SYNTHESES COLLECTION, VI, pp. 342-348 (1988)
11	Pini, et al., "Heterogeneous Transition Metal Catalysts", CHIM. IND. (MILAN), 81, pp. 189-199 (1999)
11	Bolm, et al. "Asymmetric Dihydroxylations using Immobilized Alkaloids with an Anthraquinone Core", SYNLETT, 1, pp. 93-95 (2001)
11	Van Vliet, et al., "Fluorinated Alcohols: Effective Solvents for Uncatalysed Epoxidations with Aqueous Hydrogen Peroxide", SYNLETT, 2, pp. 248-250 (2001)
11	Wirth, "Oxygen and Osmium-A New Alliance for Dihydroxylations?", ANGEWANDTE CHEMIE INTERNATIONAL EDITION, 2, pp. 334-335 (2000)
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111	Mehltretter, et al., "An Improved Version of the Sharpless Asymmetric Dihydroxylation", TETRAHEDRON LETTERS, 41, pp. 8083-8087 (2000)
111	Sharpless, et al., "The Osmium-Catalyzed Asymmetric Dihydroxylation: A New Ligand Class and a Process Improvement", JOURNAL OF ORGANIC CHEMISTRY, 10, pp. 2768-2771 (1992)
111	Kolb, et al., "Catalytic Asymmetric Dihydroxylation", CHEMICAL REVIEWS, 94, pp. 2483 (1994)
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111	Severeyns, et al., "A Heterogeneous cis-Dihydroxylation Catalyst with Stable, Site-Isolated Osmium-Diolate Reaction Centers", ANGEWANDTE CHEMIE INTERNATIONAL EDITION, 40, pp. 586-589 (2001)
111	Kobayashi, et al., "Catalytic Asymmetric Dihydroxylation of Olefins Using a Recoverable and Reusable Polymer-Supported Osmium Catalyst", JOURNAL OF AMERICAN CHEMICAL SOCIETY, 121, pp. 11229-11230 (1999)
111	De Vos, et al., "Highly Selective Epoxidation of Alkenes and Styrenes with H ₂ O ₂ and Manganese Complexes of the Cyclic Triamine 1,4,7-trimethyl-1,4,7-triazacyclononane", CHEMICAL COMMUNICATIONS, pp. 917-918 (1996)
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111	Pietikainen, "Asymmetric Mn (III)-salen Catalyzed Epoxidation of Unfunctionalized Alkenes with in situ Generated Peroxycarboxylic Acids", JOURNAL OF MOLECULAR CATALYSIS, 165, pp. 73-79 (2001)
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111	Knops-Gerrits, et al., "Oxidation Catalysis with Semi-Inorganic Zeolite-based Mn Catalysts", JOURNAL OF MOLECULAR CATALYSIS A: CHEMICAL, 117, pp. 57-70, (1997)

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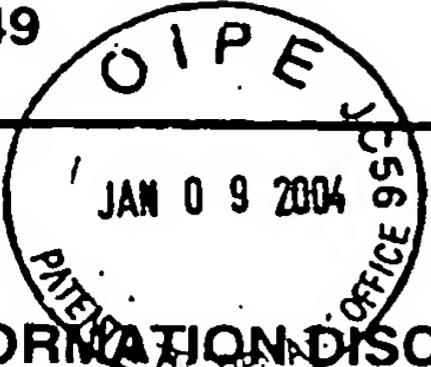
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111	Herrmann, et al., "Organorhenium Oxides", ACCOUNTS OF CHEMICAL RESEARCH, 30, pp. 169-180 (1997)
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111	Herrmann, et al., "Methyltrioxorhenium as Catalyst for Olefin Oxidation", ANGEWANDTE CHEMIE INTERNATIONAL EDITION ENGLISH, 30, pp. 1638-1643 (1991)
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